1)

#include <stdio.h>

int main()

{

int a,n,sum;

sum=0;

printf("Enter the value of n");

scanf("%d",&n);

for(a=1;a<=n;a++)

sum=sum+a;

printf("The sum is:%d",sum);

return 0;

}

2)

#include <stdio.h>

int main()

{

int a,n,sum;

sum=0;

printf("Enter the value of n");

scanf("%d",&n);

for(a=1;a<=n;a++)

sum=sum+a;

printf("The sum is:%d",sum);

return 0;

}

3)

#include <stdio.h>

int main()

{

int a,n,sum;

sum=0;

printf("Enter the value of n");

scanf("%d",&n);

for(a=1;a<=n;a++)

sum=sum+(2\*a-1);

printf("The sum is:%d",sum);

return 0;

}

4)

#include <stdio.h>

int main()

{

int a,n,sum;

sum=0;

printf("Enter the value of n");

scanf("%d",&n);

for(a=1;a<=n;a++)

sum=sum+(a\*a);

printf("The sum is:%d",sum);

return 0;

}

5)

#include <stdio.h>

int main()

{

int a,n,sum;

sum=0;

printf("Enter the value of n");

scanf("%d",&n);

for(a=1;a<=n;a++)

sum=sum+(a\*a\*a);

printf("The sum is:%d",sum);

return 0;

}

6)

#include <stdio.h>

int main()

{

int a,n,fact;

fact=1;

printf("Enter the value of n");

scanf("%d",&n);

for(a=n;a!=0;a--)

{

fact=fact\*a;

}

printf("The factorial is:%d",fact);

return 0;

}

7)

#include <stdio.h>

int main()

{

int n,c;

c=0;

printf("Enter the number");

scanf("%d",&n);

while(n)

{

n=n/10;

c++;

}

printf("%d",c);

return 0;

}

8)

#include <stdio.h>

int main()

{

int a,n,c;

c=0;

printf("Enter the value of n");

scanf("%d",&n);

for(a=2;a<=n/2;a++)

{

if(n%a==0)

{

c=1;

break;

}

}

if(c==0)

printf("The number is prime");

else

printf("The number is not prime");

return 0;

}

9)

#include <stdio.h>

int main()

{

int a,b,i;

printf("Enter the numbers");

scanf("%d %d",&a,&b);

for(i=1;i<=100;i++)

{

if((i%a==0)&&(i%b==0))

{

break;

}

}

printf("The LCM is:%d\n",i);

return 0;

}

10)

#include <stdio.h>

int main()

{

int n,rem,rev;

rev=0;

printf("Enter the number");

scanf("%d",&n);

while(n!=0)

{

rem=n%10;

n=n/10;

rev=rev\*10+rem;

}

printf("%d",rev);

return 0;

}